

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

Claims 1-7 (canceled).

8. (currently amended) A data control method for duplicating data in a system which includes a primary system including a first computer system and a first storage device connected to said first computer system, and a secondary system including a second computer system and a second storage device connected to said second computer system, wherein at least said first storage device and said second storage device are connected to each other, said data control method comprising the steps of:

into a disk drive within said first storage device, registering a log, stored in said first storage device, that can be used to generate~~based on which an update of data can be recreated~~, said data being produced as a result of processing performed by said first computer system and being stored in said first storage device;

copying said log registered in said disk drive within said first storage device to a disk drive within said second storage device, said disk drive within said second storage device being set to duplicate said log;

updating said data stored in said first storage device, said data being produced as a result of said processing performed by said first computer system;

notifying said second computer system of a change in data stored in said ~~specific-disk~~ drive within said second storage device, said change being made as a result of performing said copying step;

reading said change in said data stored in said ~~specific-disk~~ drive within said second storage device, this step being performed by said second computer system; and

updating a duplicate of said data, stored in said first storage device, based on a log read by said second computer system, said duplicate of said data being stored in said second storage device.

9. (currently amended) The data control method as claimed in claim 8, wherein said log ~~based on which said update of said data, stored in said first storage device, can be recreated~~ includes one or a plurality of transactions and information for specifying a start and an end of each transaction, said data being produced as a result of said processing performed by said first computer system;

10. (currently amended) The data control method as claim in claim 8, wherein into said disk drive within said first storage device, said registering step registers said log ~~based on which said update of said data, stored in said first storage system, can be recreated,~~ in log input and output units specified by said first computer system, said data being produced as a result of said processing performed by said first computer system.

11. (currently amended) The data control method as claimed in claim 8, wherein:

said registering step and said copying step are performed in synchronization with each other;

into said ~~storage device~~disk drive within said first storage system~~device~~, said registering step registers said log-based on which said update of said data, stored in said first system, can be recreated, said data being produced as a result of said processing performed by said first computer system; and

said copying step copies said log registered in said disk drive within said first storage system~~device~~ to said disk drive within said second storage device, said disk drive within said second storage device being set to duplicate said log.

12. (previously presented) The data control method as claimed in claim 8, wherein said notifying step notifies said second computer system of said change in said data stored in said disk drive within said second storage device at regular time intervals.

13. (previously presented) The data control method as claimed in claim 8, wherein said notifying step notifies said second computer system of said change in said data stored in said disk drive within said second storage device by controlling said second storage device through an interface for controlling said second storage device from said first storage device.

14. (previously presented) The data control method as claimed in claim 13, wherein said control of said second storage device is performed according to an instruction from said first computer system.

15. (currently amended) The data control method as claimed in claim 8, further comprising steps of:

detecting shutdown of said first computer system; and

switching, by said second computer system, taking-over application
processing from said first computer system ~~by~~to said second computer system.

16. (currently amended) The data control method as claimed in claim 8, further comprising steps of:

detecting shutdown of said first computer system;

switching, by said second computer system, taking-over application
processing from said first computer system ~~by~~to said second computer system; and

reading, by said second computer system, a log from said disk drive within said second storage device and updating data based on said read log.

17. (previously presented) The data control method as claimed in claim 15, further comprising steps of:

restoring said first computer system; and

switching functions of said primary system and said secondary system so as to create a duplicate of a database stored in said second storage device and store said duplicate in said first storage device.

18. (currently amended) A data control method for duplicating data in a system which includes a primary system including a first computer system and a first storage device connected to said first computer system, and a secondary system including a second computer system and a second storage device connected to said second computer system, wherein at least said first storage device and said second storage device are connected to each other, said data control method comprising the steps of:

into a disk drive within said first storage device, storing a log, stored in said first storage device, that can be used to generate~~based on which an~~ update of data ~~can be recreated~~, said data being produced as a result of processing performed by said first computer system and being stored in said first storage device;

copying said log stored in said disk drive within said first storage ~~system device~~ to a disk drive within said second storage device, said disk drive within said second storage device being set to duplicate said log;

updating said data stored in said first storage device, said data being produced as a result of said processing performed by said first computer system;

detecting a change in data stored in said disk drive within said second storage device, said change being made as a result of performing said copying step by said second computer system;

reading, by said second computer system, said change in said data stored in said disk drive within said second storage device; and

reading, by said second computer system, a log and updating a duplicate of said data, stored in said first storage device, based on said log, said duplicate being stored in said second storage device.

19. (currently amended) The data control method as claimed in claim 18, wherein ~~said log based on which said update of said data stored in said first storage device, can be recreated~~ includes one or a plurality of transactions and information for specifying a start and an end of each transaction, said data being produced as a result of said processing performed by said first computer system.

20. (currently amended) The data control method as claimed in claim 18, wherein ~~into said disk drive within said first storage device, said registering step registers said log based on which said update of said data, stored in said first storage device, can be recreated,~~ in log input and output units specified by said first computer system, said data being produced as a result of said processing performed by said first computer system.

21. (currently amended) The data control method as claimed in claim 18, wherein:

said registering step and said copying step are performed in synchronization with each other;

into said disk drive within said first storage device, said registering step registers said log ~~based on which said update of said data, stored in said first storage device, can be recreated~~, said data being produced as a result of said processing performed by said first computer system; and

said copying step copies said log registered in said ~~specific~~ disk drive within said first storage device to said disk drive within said second storage device, said disk drive within said second device being set to duplicate said log.

22. (currently amended) The data control method as claimed in claim 18, further comprising steps of:

detecting shutdown of said first computer system; and

~~switching~~taking over, by said second computer system, application processing from said first computer system to said second computer system.

23. (currently amended) The data control method as claimed in claim 18, further comprising steps of:

detecting shutdown of said first computer system;

~~taking over~~switching, by said second computer system, application processing from said first computer system to said second computer system;

and

reading, by said second computer system, a log from said disk drive within said second storage device and updating data based on said read log.